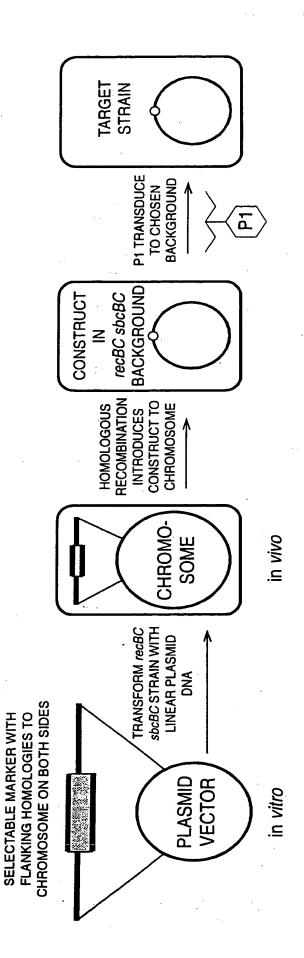
INSERTIONAL MUTAGENESIS IN E. coli

CONSTRUCTED MUTATION CONTAINS



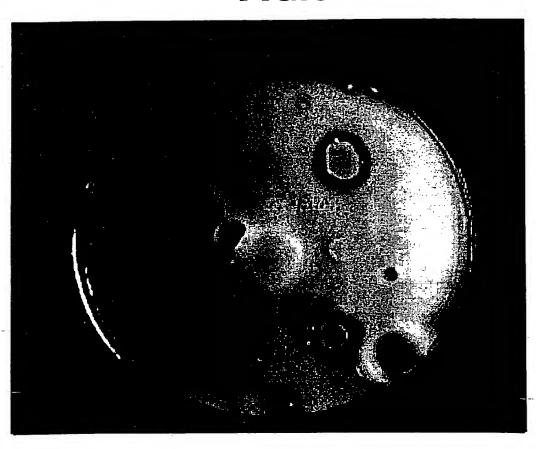


FIG.4

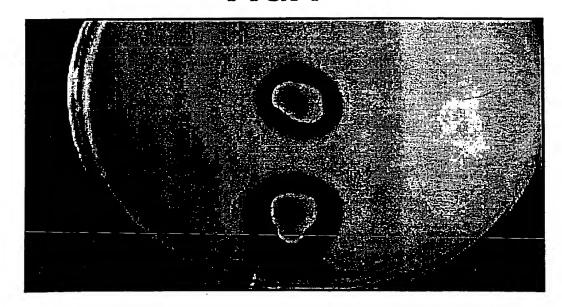


FIG.5

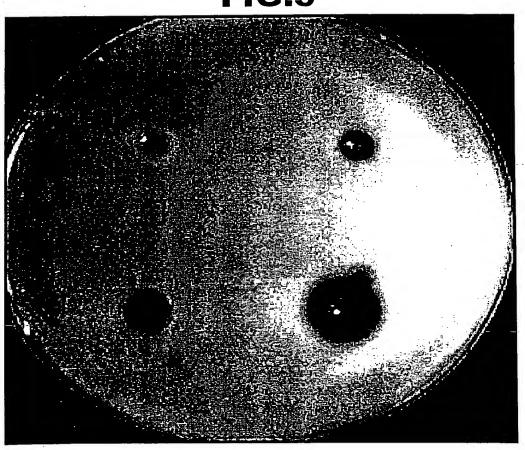


FIG.6



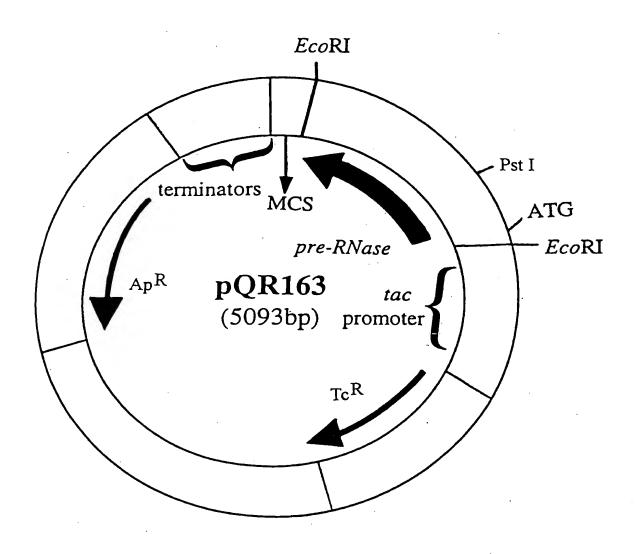


FIG.7

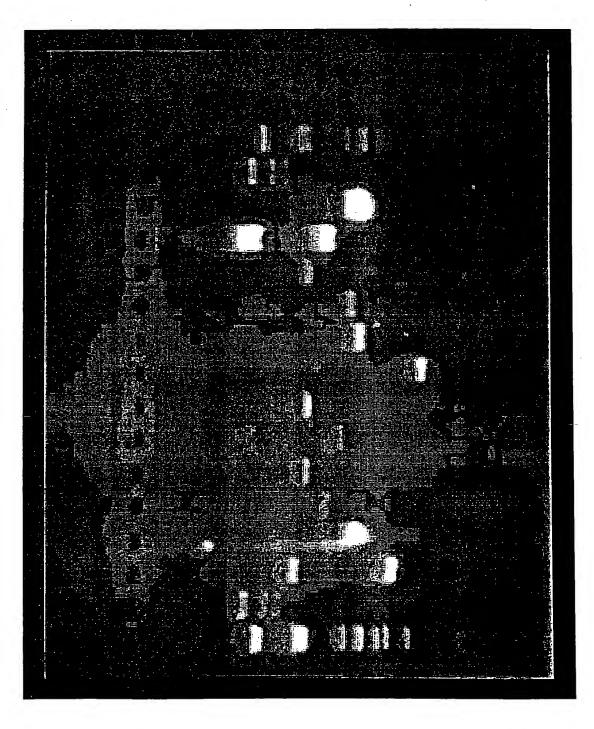


FIG.9(a)

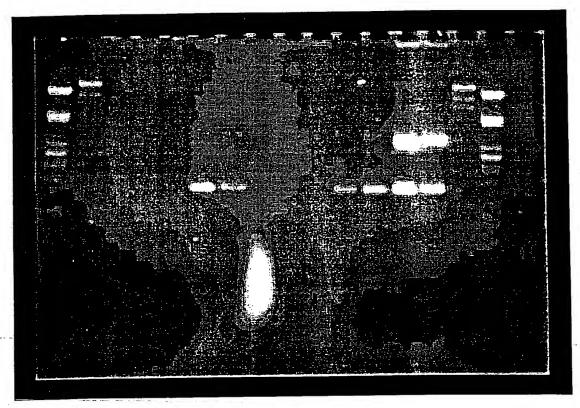


FIG.9(b)

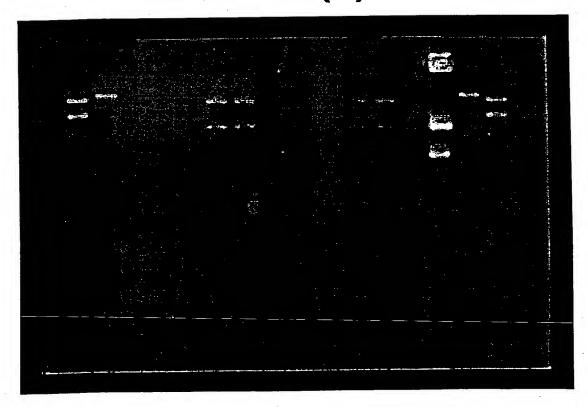


FIG.9(c)

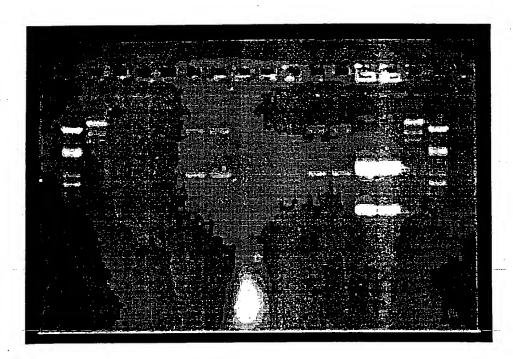


FIG.9(d)

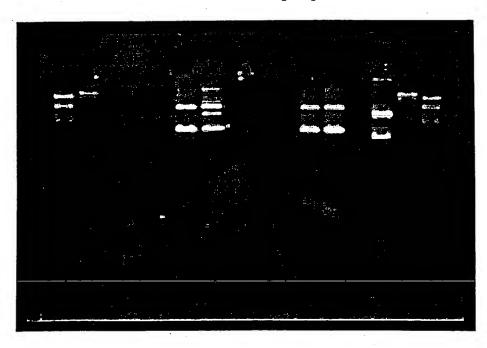


FIG.9(e)

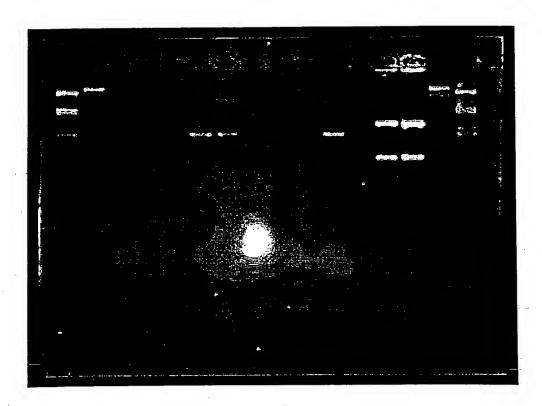
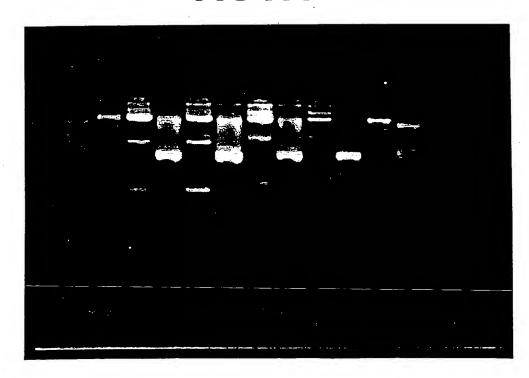
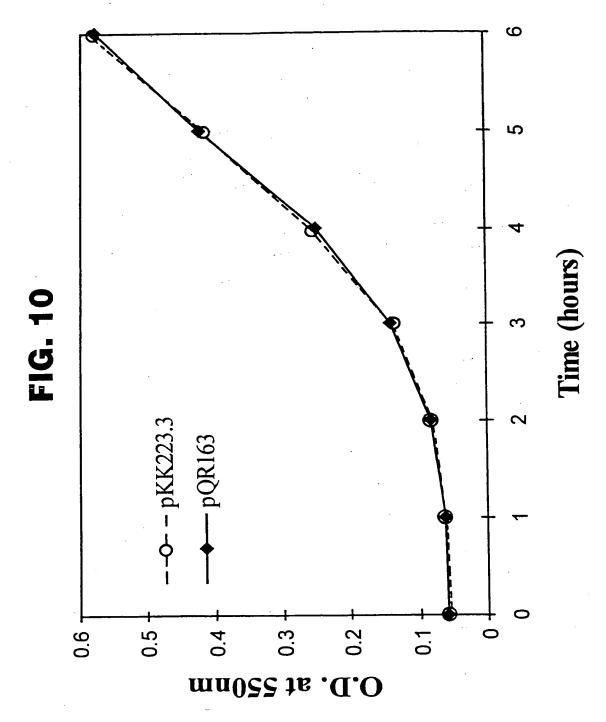


FIG .11





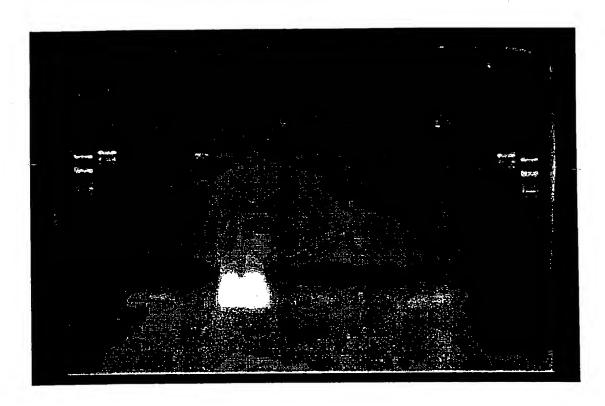
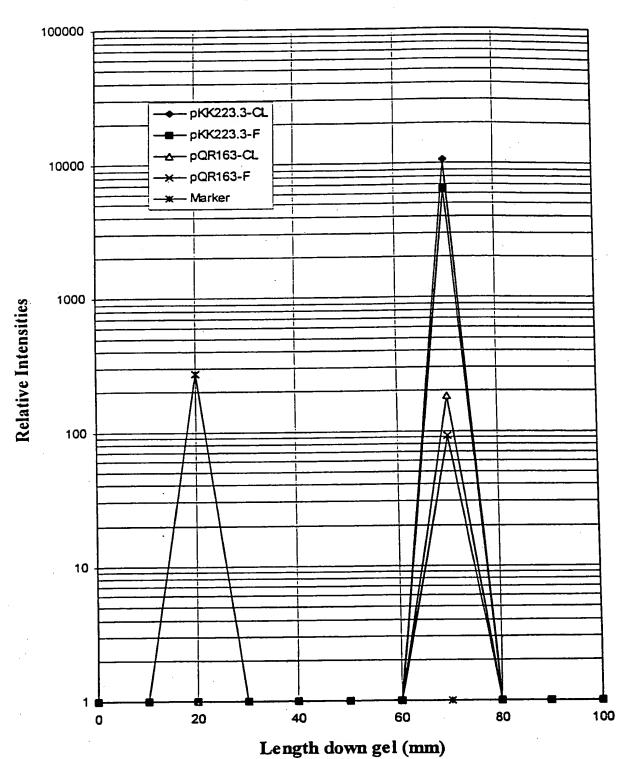


FIG. 13



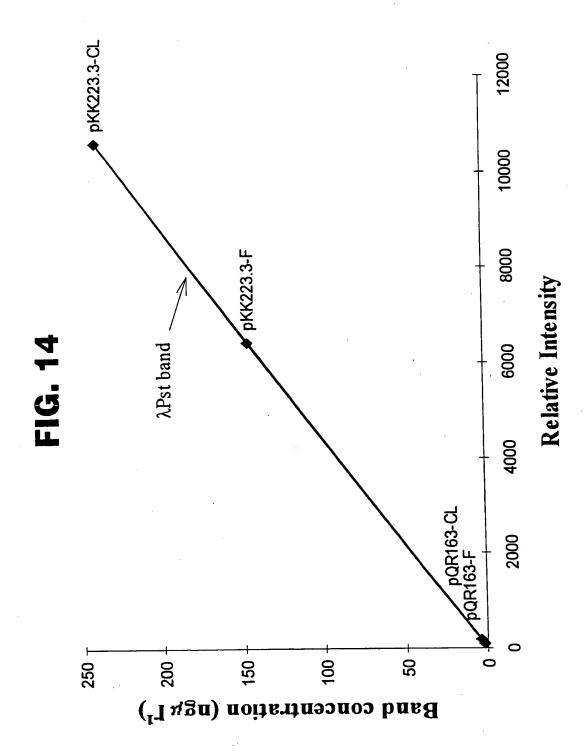


FIG. 15(A)

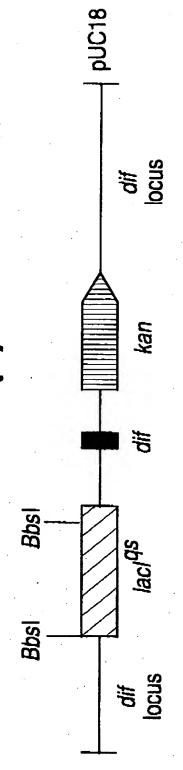
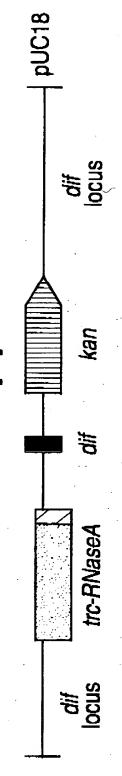
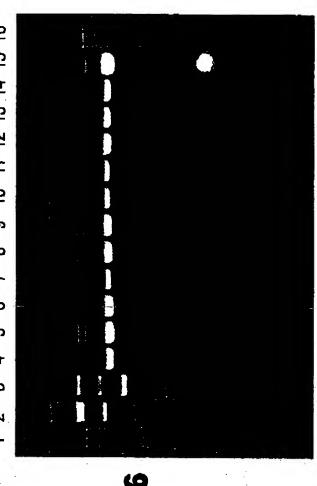


FIG. 15(B)



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



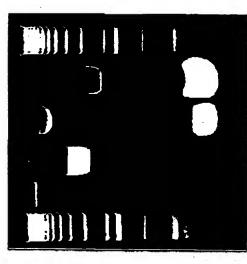


FIG. 18

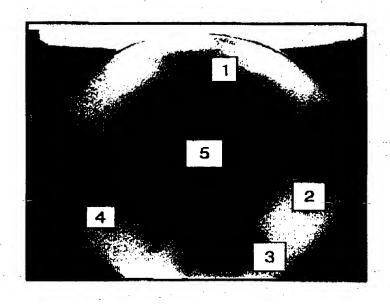


FIG. 19

